

# MINI-BAT/24DC/0.8AH - Battery module



2866666

<https://www.phoenixcontact.com/us/products/2866666>

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Battery module (device with battery), lead AGM, VRLA technology, 24 V DC, 0.8 Ah.



## Product description

MINI-BAT – battery module with lead AGM technology for maximum buffer times.

## Your advantages

- Maximum buffer times

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2866666       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CM24          |
| Product key                          | CMUEV3        |
| GTIN                                 | 4046356152129 |
| Weight per piece (including packing) | 843.5 g       |
| Weight per piece (excluding packing) | 764 g         |
| Customs tariff number                | 85072080      |
| Country of origin                    | CN            |

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## Technical data

### Notes

#### General

|                     |   |
|---------------------|---|
| Note on the battery | This product contains a battery with a limited shelf life that must be charged every few months. The product packaging indicates when the battery must be started up or recharged. The general shelf life can be found in the energy storage devices area under "Latest startup". |
|---------------------|---|

### Input data

|               |              |
|---------------|--------------|
| Input voltage | 24 V DC      |
| Buffer period | 20 min (1 A) |
|               | 7 min (2 A)  |

### Output data

|                           |         |
|---------------------------|---------|
| Nominal output voltage    | 24 V DC |
| Output current $I_{\max}$ | 5 A     |
| Output fuse               | 5 A     |
| Connection in parallel    | 5       |
| Connection in series      | no      |

#### Battery operation

|                                  |         |
|----------------------------------|---------|
| Nominal output voltage           | 24 V DC |
| Nominal output current ( $I_N$ ) | 5 A     |

### Energy storage

|                                       |   |
|---------------------------------------|---|
| End-of-charge voltage                 | 27.6 V                                  |
| Charging current                      | 1 A                                     |
| Nominal capacity                      | 0.8 Ah                                  |
| Service life                          | 3 Years (20 °C)                         |
| Latest startup (battery only) - range | 3 Months (0 °C ... 20 °C)               |
|                                       | 3 Months ... 1 Months (20 °C ... 30 °C) |
|                                       | 1 Months (30 °C ... 40 °C)              |
| Battery technology                    | VRLA-AGM                                |
| Memory medium                         | Lead rechargeable battery module        |
| Accumulator type                      | YUASA NP0.8-12                          |
|                                       | YUCEL Y0.8-12                           |
|                                       | YUVOLT 0.8-12                           |
| Number of cells                       | 1                                       |
| Size designation                      | Block                                   |
| Battery pack                          | yes                                     |
| IQ technology                         | no                                      |
| Suitable for fast charging            | yes                                     |

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## Product properties

|                |   |
|----------------|---|
| Product type   | Battery module  |
| Product family | Battery module (device with battery)  |
| Application    | for MINI DC-UPS   |
| Disposal       | Used batteries must not be thrown away with household waste, they should instead be disposed of in accordance with applicable national regulations. |
| IQ technology  | no  |

## Insulation characteristics

|                  |     |
|------------------|-----|
| Protection class | III |
|------------------|-----|

## Dimensions

|        |         |
|--------|---------|
| Width  | 67.5 mm |
| Height | 99 mm   |
| Depth  | 107 mm  |

## Installation dimensions

|                                  |               |
|----------------------------------|---------------|
| Installation distance right/left | 0 mm / 0 mm   |
| Installation distance top/bottom | 30 mm / 30 mm |

## Material specifications

|                  |                            |
|------------------|----------------------------|
| Housing material | Plastic                    |
| Type of housing  | Polyamide PA, color: green |

## Environmental and real-life conditions

### Ambient conditions

|  |                |
|--|----------------|
| Degree of protection                           | IP20           |
| Ambient temperature (operation)                | 0 °C ... 40 °C |
| Ambient temperature (storage/transport)        | 0 °C ... 40 °C |
| Max. permissible relative humidity (operation) | 95 %           |

## Ex data

|                            |    |
|----------------------------|----|
| Suited for EX-applications | no |
|----------------------------|----|

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## Drawings

Block diagram



Graphic

| Load Current | Buffertime for 24 V DC system |         |         |         |         |         |         |         |         |         |         |         |
|--------------|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|              | Minutes                       |         |         |         |         |         |         |         |         |         | Hour    |         |
|              | 8                             | 9       | 10      | 15      | 20      | 25      | 30      | 40      | 45      | 50      | 1       |         |
| 0.5 A        | 2866666                       | 2866666 | 2866666 | 2866666 | 2866666 | 2866666 | 2866666 | 2866666 | 2866666 | 2866666 | 2866666 | 1394729 |
| 1 A          | 2866666                       | 2866666 | 2866666 | 2866666 | 2866666 | 2866666 | 1394729 | 1394729 | 1394729 |         |         |         |
| 1.5 A        | 2866666                       | 2866666 | 2866666 | 1394729 | 1394729 | 1394729 |         |         |         |         |         |         |
| 2 A          | 2866666                       | 1394729 | 1394729 | 1394729 | 1394729 |         |         |         |         |         |         |         |

The data is based on an ambient temperature of +25 °C at the start of use.

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1394729 TRIO-BAT/PB/24DC/1.2AH

Buffer times for MINI DC UPS for 24 V systems

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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2866666>



**EAC**

Approval ID: RU S-DE.BL08.W.00764



**EAC**

Approval ID: RU\*DE\*01.B.78948/21

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27050403 |
| ECLASS-15.0 | 27050403 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003893 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26111700 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |              |
|---|--------------|
| Fulfills EU RoHS substance requirements | Yes          |
| Exemption                               | 7(a), 7(c)-I |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-3  |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 2abd164f-925d-4663-b647-68c5e5ff90d2 |

### EF3.1 Climate Change

|         |                |
|---------|----------------|
| CO2e kg | 31.568 kg CO2e |
|---------|----------------|

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